

# Mecklenburg County Health Department

## Swimming Pool Construction Checklist

### Pool Plan Review Items

- ☐ Building and Electrical tied to pool project must pass final inspection before a final will be scheduled.
- ☐ Provide a final stamped set of plans/drawings for review during final.
- ☐ Provide engineer/architect letter. Any changes to approved plans must be noted on letter.
- ☐ Provide address verification form. Form can be found on the Code Enforcement website at [charmeck.org](http://charmeck.org) or click [here](#).
- ☐ Provide an accurate Pool Drain Safety Compliance form. Form can be found on our website at [meckpools.charmeck.org](http://meckpools.charmeck.org). Features will require a separate form.

### Pool Structure Items

- ☐ *Skimmers* – NSF listed. All weirs in place and covers/baskets in good repair. Suction to pump will be verified in skimmers.
- ☐ *Depth and No Diving Markers* – 4” in height for numbers and letters. Markers shall be no greater than 25’ apart measured along the perimeter of pool. Easily readable. Depth markers must be located on pool wall and deck. No Diving only required on pool deck. If using international No Diving marker, must be at least 6”x6” and red and black.
- ☐ *Inlets and Fittings* – Must be in good repair and in place. Meets required amount per plans. Returns must be operable.
- ☐ *Pool Steps* – Maximum of 12” rise. Shall be within 1” of uniform step except for bottom step. Allowed to vary plus or minus 2”.
- ☐ *Contrasting Color Bands* – 2” wide contrasting color band to edge of step or tile no greater than 1” from step edge, adjacent edge and pool walls.
- ☐ *Underwater Benches* – Installed in water no greater than 4’ deep. Max seat depth of 2’ from water surface and no more than 18” from wall.
- ☐ *Ladders and Handrails* – Located every 75’ or less measured perimeter of pool. Ladder handrails between 3” and 6” from the pool wall. Handrails on steps must be provided every 10’ if steps are greater than 20’ wide.
- ☐ *Suction Outlets* – Drain and equalizer line covers must be approved covers. Must be able to handle max flow from the pump. No protrusions greater than 2” from pool wall.
- ☐ *Vacuum Fittings* – Vacuum ports must have a self-closing cap designed to be opened with a tool. Located at least 6”, no greater than 18” below water level.

### Pool Premises and Safety

- ☐ *Emergency Phone* – Provide a designated line. Must connect to 911. 911 must have the correct location information and phone number for the pool. A sign with dialing instructions and pool information detailing the pool address and phone number must be posted at the pool phone. Located inside the pool enclosure or outside the enclosure within 75’ of a bather entrance. Visible from all areas of pool deck.
- ☐ USCG Approved Ring Buoy. Required rope length is 1.5 x width of the pool or 50’, whichever is less. Will be measured during inspection.
- ☐ Body hook on a non-collapsible pole. Minimum of 12’ in length. Body hook must be securely attached to pole.

- ☐ *Signage* –
  - ☐ “WARNING – NO LIFEGUARD ON DUTY” in a minimum height of 4” – exact wording required. Assure lower case letters, if used, are 4”.
  - ☐ “ADULTS SHOULD NOT SWIM ALONE” in a minimum height of 1” – exact wording required. Assure lower case letters, if used, are 1”.
  - ☐ “CHILDREN SHOULD NOT USE THE SWIMMING POOL WITHOUT ADULT SUPERVISION” in a minimum height of 1” – exact wording required. Assure lower case letters, if used, are 1”.
  - ☐ Sign prohibiting pets and glass in pool area – no size or language restriction.
  - ☐ Shower sign instructing users to shower before entering pool – no size or language restriction.
- ☐ *Barrier* – See Rule .2528.
  - ☐ Gates and doors must be self-closing, self-latching including leasing office doors leading out on to pool deck.
  - ☐ Gates swing away from the pool.
  - ☐ No greater than 4” between vertical pickets.
  - ☐ No greater than 2” under fence.
  - ☐ Maintain 45” between horizontals.
  - ☐ Footholds – Anything outside the fence lower than 45” measured from the ground that protrudes more than ½”. Eliminate all footholds (i.e. electrical conduit boxes, cable boxes, windowsills, brick coping, etc.).
  - ☐ Windows opening on to pool deck – Must not open greater than 4”.
  - ☐ Barrier with minimum 48” height requirement.
- ☐ *Deck* – No protrusions greater than ½”.
  - ☐ Over the rim fill spouts - No greater than 6” from ladder handrails.
  - ☐ Outdoor – 6’ clear walking space. Pools >1600 sq. ft., provide 8’.
  - ☐ Indoor – 5’ clear walking space.
- ☐ *Lighting* – For Night Swimming, provide 10 foot candles on pool deck and within pool at all times.

### **Equipment Room**

- ☐ *Chemical Feeders* – NSF listed and in good working order.
- ☐ *Pump* – NSF listed. Sized properly for applicable turnover and according to plan.
- ☐ *Filter* – Installed according to what is on the plans. Pressure gauge must show pressure reading.
- ☐ *Flow Meter* – Installed according to manufacturer instructions. Must be operating properly and be capable of measuring at least 1 ½ times the design flow rate. Flow reading must meet the required flow for the recirculation system. Verified onsite after filter is backwashed.
- ☐ *Fill Line* – Installed after check valve. Check valve must meet rule .2512 in accordance with ANSI/ASSE. Autofill operational.
- ☐ Floor sloped to drain. ¼” per foot toward drains.
- ☐ Provide 3’ clear walking space around equipment and minimum of 7’ ceiling height around equipment.
- ☐ Continuous ventilation separate from lighting or cross ventilation.
- ☐ Hose bib present.

### **Chemical Storage Room**

- ☐ 7’ ceiling height.
- ☐ Storage space must meet minimum requirements per plan.
- ☐ Continuous ventilation separate from lighting or cross ventilation.
- ☐ Provide lighting.
- ☐ Shelving provided for dry storage (i.e. pallet, shelves, etc.)

**Dressing and Sanitary Facilities**

- ☐ Toilets and lavatories installed per approved plans.
- ☐ Mirrors shatterproof.
- ☐ Hose bib present.
- ☐ Floor drain present.
- ☐ Shower installed and operational.

**Please Note:**

**This list is generalized and may not cover all variations specific to your facility. If you have any questions prior to your inspection, please consult your rule book or an inspector. The rule book, this form and other information pertaining to pools may be found at:**  
**<http://meckpools.charmeck.org>.**

